

AMENDMENTS TO THE CLAIMS

Claim 1 (Cancelled)

Claim 2 (Withdrawn) An optical module carrier for conveying an optical module to one or more stations in an optical test circuit, said optical module carrier comprising:

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a tray having a top surface for supporting the optical module;

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a plurality of rollers for conveying said tray, said rollers each mounted in a bottom surface of said tray, each of said rollers extending a fixed distance below the bottom surface of said tray; and

vertical pillars for securing said optical module on the top surface of the optical module carriers.

Claim 3 (Withdrawn) The optical module carrier of claim 2, wherein at least one said vertical pillars clamps said optical module onto the top surface of the optical module carrier.

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Claim 4 (Withdrawn) The optical module carrier of claim 2, wherein at least one said vertical pillars includes a slot for holding said optical module carrier.

Claim 5 (Withdrawn) An optical module carrier for conveying an optical module to one or more stations in an optical test circuit, said optical module carrier comprising:

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a tray having a top surface for supporting the optical module;

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a plurality of rollers for conveying said tray, said rollers each mounted in a bottom surface of said tray, each of said rollers extending a fixed distance below the bottom surface of said tray; and
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a plurality of springs corresponding to said plurality of rollers, each of said springs mounted in the bottom surface of said tray between said plurality of rollers and said optical module carrier.

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Claim 6 (Withdrawn) The optical module carrier of claim 5,
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wherein each of said plurality of rollers is a ball.
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Claim 7 (Cancelled)

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Claim 8 (Withdrawn) An optical module carrier for conveying an optical module to one or more stations in an optical test circuit, said carrier comprising:
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base means for supporting the optical module, said base means having a top surface and a bottom surface;

securing means for securing the optical module to the top surface of said base means;

rolling means for conveying said base means, said rolling means attached to the bottom surface of said base means, said rolling means extending a fixed distance below the bottom surface of said base means; and

means for elevating said optical module a desired distance above the bottom surface of said base means.

Claim 9 (Withdrawn) An optical module carrier for conveying an optical module to one or more stations in an optical test circuit, said carrier comprising:

base means for supporting the optical module, said base means having a top surface and a bottom surface;

securing means for securing the optical module to the top surface of said base means;

rolling means for conveying said base means, said rolling means attached to the bottom surface of said base means, said rolling means extending a fixed distance below the bottom surface of said base means, wherein said rolling means comprises a plurality of balls.

Claim 10 (Cancelled)

Claim 11 (Currently Amended) An apparatus for inspecting an optical device on an optical module, comprising:

an optical platform;

an inspection station disposed along a top surface of said optical platform having an optical device interface located a fixed first distance above the top surface of said optical platform; and

an optical module carrier for holding the optical module and conveying the optical module along the top surface of said optical platform to the inspection station, said optical module carrier positioning said optical device at a second distance above the optical platform corresponding to the fixed first distance said optical device interface is located above the top surface, wherein said optical platform has a top surface coated with a silicone base coating.

Claim 12 (Cancelled)

Claim 13 (Currently Amended) An apparatus for inspecting an optical device on an optical module, comprising:

an optical platform;

an inspection station disposed along a top surface of said optical platform having an optical device interface located a fixed first distance above the top surface of said optical platform; and

an optical module carrier for holding the optical module and conveying the optical module along the top surface of said optical platform to the inspection station, said optical module carrier positioning said optical device at a second distance above the optical platform corresponding to the fixed first distance said optical device interface is located above the top surface, wherein said optical module carrier further comprises:

a tray having a top surface for supporting the optical module; and

a plurality of rollers for conveying said tray, said rollers each mounted in a bottom surface of said tray, each of said rollers extending a fixed distance below the bottom surface of said tray.

Claim 14 (Previously Presented) The apparatus of claim 13, wherein said optical module carrier further comprises:

vertical pillars for securing said optical module on the top surface of the optical module carrier.

Claim 15 (Original) The apparatus of claim 13, wherein said optical module carrier further comprises:

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a plurality of springs corresponding to said plurality of rollers, each of said springs mounted in the bottom surface of said tray between said plurality of rollers and said optical module carrier.

Claim 16 (Cancelled)

Claim 17 (Cancelled)

Claim 18 (Cancelled)

Claim 19 (Cancelled)

Claim 20 (Cancelled)

Claim 21 (Cancelled)

Claim 22 (Cancelled)

Claim 23 (New) A method for inspecting an optical device on an optical module, comprising:

conveying the optical module along a top surface of an optical platform to an inspection station having an optical device interface located at a fixed first distance above the top surface of the optical platform;

positioning the optical device at a second distance above the optical platform corresponding to the fixed first distance using an optical module carrier; and

inspecting the optical device at the inspection station.